

CLAIMS:

1. A safe ecofriendly, health protective and beautifying herbal cosmetic composition containing herbal colourants together with a cosmetically acceptable amount of one or more additives providing special properties and a cosmetically acceptable base material.
2. A composition as claimed in claim 1 wherein, the additives providing special properties are selected from essential oils/aroma isolates obtained from the group of plant species belonging to genera *Acquillaria*, *Cinnamomum*, *Cymbopogon*, *Elettaria*, *Eucalyptus*, *Geranium*, *Jasminum*, *Ocimum*, *Pelargonium*, *Rosa*, *Rosmarinus*, *Santalum* and *Vetiveria*.
3. A composition as claimed in claim 1 wherein, the essential oils/aroma isolates act as mood lifting agents, antidepressant agents, anti stress agents, sensual pleasure providing agents, creative thought inducing agents, anxiety reducing agent, refreshing agent, stimulant, soothing agents, anti oxidants, fixative, fragrances and antimicrobial.
4. A composition as claimed in claim 1 wherein, the essential oils/aroma isolates release neurochemicals in the brain through the receptors in mouth and nose and provide mood enhancement, sensual pleasure, anti-depressant and creative thought inducing properties.
5. A composition as claimed in claim 1 wherein, the colourants are isolated from species belong to the genera of the family Boraginaceae, which are non-toxic and free from any side effects.
6. A composition as claimed in claim 1 wherein, the colourant is obtained from the plants belonging to the genus *Arnebia*, *Bixa*, *Butea*, *Carthamus*, *Hibiscus*, *Jatropha*, *Lithospermum*, *Macrotomia*, *Maharanga*, *Nyctanthes*, *Onosma*, *Rhododendron*, and *Tagetes*.
7. A composition as claimed in claim 1 wherein, the colourants are extracted from root, stem or leaves of the plants and the quantum of the essential oils used base on the part from which the essential oil is extracted.
8. A composition as claimed in claim 1 wherein, the colourants are soluble in organic solvents selected from hexane, petroleum ether, benzene, diethyl ether, ethylacetate, chloroform, acetone and alcohol in the range 30 to 100 %.
9. A composition as claimed in claim 1 wherein, the colourants has pH between 5 to 6.
10. A composition as claimed in claim 1 wherein the colourant is present in an amount of 0.1 to 10%.
11. A composition as claimed in claim 1 wherein the colourant are anti microbial, anti-inflammatory and are used in leucoderma more particularly of lips.

12. A composition as claimed in claim 1 wherein the colourant has lipophilic properties.
13. A composition as claimed in claim 1 wherein the colourant is a mixture of naphthazarins and/or cyclic unsaturated diketones in which double bonds and keto groups may be conjugated.
14. A composition as claimed in claim 1 wherein the colourant has different shades of colours selected from purplish red, cerise, ruby red, beet root purple, dark violet, deep blue, blackish blue, pastel red, pale red, purplish red, rose red, cerise, ruby red, deep magenta, beet root purple, amaranth, dark purple, dark violet, deep violet, deep blue and blackish blue.
15. A composition as claimed in claim 1 wherein the red colour of the colourant may be changed to different shades with organic and inorganic acids.
16. A composition as claimed in claim 15 wherein the intensity of the red colour of the herbal colourant may be increased with organic acids and decreased with inorganic acids.
17. A composition as claimed in claim 15 wherein the concentration of the acids is 1 to 20%.
18. A composition as claimed in claim 1 wherein the red colour of the herbal colourant may be changed to different shades with organic and inorganic bases.
19. A composition as claimed in claim 18 wherein the intensity of the red colour of the herbal colourant may be increased with organic bases and decreased with inorganic bases.
20. A composition as claimed in claim 18 wherein the concentration of the bases is 1 to 20%.
21. A composition as claimed in claim 1 useful as a lipstick for man for aromatherapy.
22. A composition as claimed in claim 1 useful as an eye-shadow application.
23. A composition as claimed in claim 1 useful as a glow glitter.
24. A composition as claimed in claim 1 useful as a rose.
25. A composition as claimed in claim 1 wherein the essential used is in the range of traces to ppm.
26. A composition as claimed in claim 1 wherein the softening agents used are in the range of 0.5% to 2% of the total weight of the composition.
27. A composition as claimed in claim 1 wherein lusture producing agents are in the range of 0.5% to 2%.
28. A composition as claimed in claim 1 wherein skin protecting agents are in the range of 0.0001 to 0.09%.
29. A composition as claimed in claim 1 wherein essential oil used for functional attributes range between 0.0001 to 0.009 %.

30. A composition as claimed in claim 1 wherein beeswax is used as a base material and forms the balance amount of the composition.
31. A composition as claimed in claim 1 wherein the aroma is provided by essential oils obtained from the group of plant species belonging to genera *Acquillaria*, *Cinnamomum*, *Cymbopogon*, *Elettaria*, *Eucalyptus*, *Geranium*, *Jasminum*, *Ocimum*, *Pelargonium*, *Rosa*, *Rosmarinus*, *Santalum* and *Vetiveria*.
32. A composition as claimed in claim 1 wherein the cosmaceutical application and use of extracted organic compound in lipsticks, eye shadow, glow glitters, rouges and skin conditioning agents.
33. A composition as claimed in claim 1 wherein the composition is a lipstick having improved moisturizing effect.
34. A composition as claimed in claim 1 wherein, the additives are a mixture of essential oils functioning as a mood-lifting agent, anti stress agent, anxiety reducing agent, sensual feeling agent, an anti-depressant agent, a creative thought inducing agent, a refreshing agent, anti oxidant, fixative and a stimulant.
35. A composition as claimed in claim 1 wherein, anti-depressant property imparted by the essential oils are selected from

| Essential Oils | Preferred Ratio |
|--|-----------------|
| 1. <i>Ocimum</i> oil: <i>Jasminum</i> oil: <i>Cymbopogon</i> oil | (1 : 2 : 1) |
| 2. <i>Ocimum</i> oil : <i>Mentha</i> oil: <i>Rosmarinus</i> oil | (2 : 1 : 1) |
| 3. <i>Jasminum</i> oil: <i>Mentha</i> oil: <i>Rosmarinus</i> oil | (1 : 1 : 1) |
| 4. <i>Cymbopogon</i> oil: <i>Ocimum</i> oil: <i>Mentha</i> oil | (1 : 2 : 1) |
| 5. <i>Ocimum</i> oil: <i>Cymbopogon</i> oil | (2 : 1) |
| 6. <i>Mentha</i> oil: <i>Rosmarinus</i> oil | (1 : 1) |
| 7. <i>Ocimum</i> oil | |
| 8. <i>Rosmarinus</i> oil | |

36. A composition as claimed in claim 1 wherein, the creative thought-inducing property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|---|-----------------|
| 1. <i>Santalum</i> oil | |
| 2. <i>Santalum</i> oil: <i>Rosa</i> oil | (1 : 2) |

37. A composition as claimed in claim 1 wherein, the anti-stress property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|---|-----------------|
| 1. <i>Santalum</i> oil: <i>Lavandula</i> oil | (2 : 1) |
| 2. <i>Lavandula</i> oil: <i>Eucalyptus</i> oil: <i>Rosa</i> oil | (1 : 1 : 1) |
| 3. <i>Eucalyptus</i> oil: <i>Rosa</i> oil | (1 : 2) |
| 4. <i>Aluillaria</i> oil: <i>Elettaria</i> oil: <i>Rosmarinus</i> oil | (1 : 1 : 1) |
| 5. <i>Jasminum</i> oil | (1 : 2) |
| 6. <i>Santalum</i> oil | |
| 7. <i>Lavandula</i> oil | |

38. A composition as claimed in claim 1 wherein, the refreshing property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|--|-----------------|
| 1. <i>Santalum</i> oil: <i>Rosa</i> oil: <i>Rosmarinus</i> oil | (1 : 1 : 1) |
| 2. <i>Santalum</i> oil: <i>Pelargonium</i> oil | (1 : 2) |
| 2. <i>Jasminum</i> oil: <i>Lavandula</i> oil | (1 : 2) |
| 3. <i>Santalum</i> oil: <i>Rosa</i> oil | (1 : 1) |
| 4. <i>Lavandula</i> oil | |
| 5. <i>Santalum</i> oil | |

39. A composition as claimed in claim 1 wherein, the sensual feeling property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|--|-----------------|
| 1. <i>Jasminum</i> oil: <i>Lavandula</i> oil: <i>Pelargonium</i> oil | (1 : 2) |
| 6. <i>Ocimum</i> oil: <i>Jasminum</i> oil: <i>Cymbopogon</i> oil | (1 : 2 : 1) |
| 7. <i>Jasminum</i> oil | |
| 8. <i>Jasminum</i> oil: <i>Lavandula</i> oil | (2 : 1) |

40. A composition as claimed in claim 1 wherein, the mood lifting property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|---|-----------------|
| 1. <i>Jasminum</i> oil: <i>Rosa</i> oil: <i>Pelargonium</i> oil | (1 : 1 : 1) |
| 2. <i>Rosmarinus</i> oil | |
| 3. <i>Cymbopogon</i> oil: <i>Rosa</i> oil | (2 : 1) |
| 4. <i>Rosa</i> oil | |
| 5. <i>Jasminum</i> oil: <i>Rosa</i> oil | |

41. A composition as claimed in claim 1 wherein, the anxiety reducing property is imparted by the essential oils selected from

| Essential oil | Preferred ratio |
|---|-----------------|
| 1. <i>Rosa</i> oil: <i>Cinnamomum</i> oil | (1 : 2) |

42. A composition as claimed in claim 1 wherein, the anti-stress property is imparted by the aroma isolate *Citral*
43. A composition as claimed in claim 1 wherein, the refreshing property is imparted by the aroma isolate selected from linalol, benzyl alcohol, terpineol, terpineol and linalol at a preferred ratio of 1:2.
44. A composition as claimed in claim 1 wherein, the sensual feeling property is imparted by the aroma isolate butyric acid.
45. A composition as claimed in claim 1 wherein, the creative thoughts property is imparted by the aroma isolate selected from

| Aroma Isolate | Preferred ratio |
|---|-----------------|
| 1. Isobutyric acid: Butyric acid: linalol | (1:2:1) |
| 2. Isobutyric acid: Benzyl alcohol: linalol | (1:2:1) |
| 3. Isobutyric acid: | |
| 4. Linalol: Isobutyric acid | (1:2) |

46. A composition as claimed in claim 1 wherein, the mood lifting property is imparted by the aroma isolate selected from jasmone, citral, eugenol, eugenol and citral at a preferred ratio 1:2.
47. A composition as claimed in claim 1 wherein, the fixative is tocopherol and santulam oil, tocopherol also functions as fixative, which may present in traces to ppm.
48. A process for extraction of organic colourants from the plants, said process comprising obtaining the plant parts, extracting with organic solvents, removing the solvents by conventional methods, concentrating the extract under reduced pressure and optionally treating with acids or bases to produce various shades.
49. A process for the extraction of organic colourants, said process comprising the steps of:
- drying the plant parts,
 - powdering the dried plant parts,
 - subjecting the dry powder obtained in step (b) to Soxhlet extraction at a temperature in the range of 40-80°C or cold percolation with organic solvents at a temperature between 20 to 45°C,
 - concentrating the mixture of step (c) by conventional methods at reduced pressure in the range of 50-100 psi and at a temperature not exceeding 50°C,

- e) mixing the concentrate of step (d) with silica gel in the ratio 1:3 to 2:7 to obtain a slurry,
- f) eluting the slurry with organic solvents resulting in various fractions,
- g) concentrating the fractions at a pressure in the range of 50 -100 psi resulting in herbal colourants, optionally treating the said colours with acids or bases to produce various shades, and
- h) obtaining various colours from by treating the said fractions with acids or bases to produce colourants of various shades.
50. A process as claimed in claim 49 wherein, the organic solvent is selected from polar solvents, non-polar solvents or mixtures thereof.
51. A process as claimed in claim 49 wherein, the polar solvents are selected from acetone, chloroform, ethyl acetate, methanol and ethanol.
52. A process as claimed in claim 49 wherein, the non-polar solvents are selected from petroleum ether, hexane, toluene and cyclohexane
53. A process of extraction of herbal colourants from plants of the family Boraginaceae, which comprises; percolating powdered plant parts with alcohol at room temperature resulting in alcohol soluble herbal material, the said herbal material being concentrated by known means at pressures in the range of 50-100 psi and at a temperature in the range of 40-60°C, the said concentrate being made into a slurry with silica gel in a ratio in the range of 1:3 to 2:7, the said slurry being eluted by known means with organic solvents resulting in fractions, the said fractions further being concentrated by known methods at a pressure in the range of 50-100 psi resulting in herbal colorants, optionally treating the said colours with acids or bases to produce various shades.
54. A process as claimed in claim 53 wherein, the plants are selected from the group of plants belonging to the family Boraginaceae
55. A process as claimed in claims 49 and 53 wherein, the plant parts are selected from root, stem and leaf the quantum of the essential oils used base on the part from which the essential oil is extracted
56. A process as claimed in claims 49 and 53 wherein, the plant parts are dried at a temperature in the range of 30-45° C, in shade.
57. A process as claimed in claims 49 and 53 wherein, the dried plant parts are powdered to particle size in the range of 30-60 mesh.

58. A process as claimed in claim 53 wherein, the alcohol used is selected from group consisting of methanol and ethanol.
59. A process as claimed in claim 53 wherein, the organic polar solvents are selected from acetone, chloroform, ethyl acetate, methanol and ethanol.
60. A process as claimed in claim 53 wherein, the non-polar solvents are selected from petroleum ether, hexane, toluene and cyclohexane.
61. A process as claimed in claims 49 and 53 wherein, the ratio of polar and non-polar solvent varies according to the nature of the solvents.
62. A process as claimed in claims 49 and 53 wherein, the mixture of non-polar solvent to chloroform is prepared in the ratio of 99:1 to 0:100.
63. A process as claimed in claims 49 and 53 wherein, the colourants ranges from purplish red, cerise, ruby red, beetroot purple, dark violet, deep blue, blackish blue, pastel red, pale red, purplish red, rose red, cerise, ruby red, deep magenta, beet root purple, amaranth, dark purple, dark violet, deep violet, deep blue and blackish blue.
64. A process as claimed in claims 49 and 53 wherein, the acid used is selected from the group consisting of organic acids such as formic acid and acetic acid, inorganic acids such as HCl, HNO₃ and H₂SO₄.
65. A process as claimed in claims 49 and 53 wherein, the acid concentration is in the range of 0.1% to 10%.
66. A process as claimed in claims 49 and 53 wherein, the change of colour in the colourant is effected by treating the colourant with traces of food grade acids such as acetic acid, taken in an amount of 0.1%.
67. A process as claimed in claims 49 and 53 wherein, the change of colour in the colourant is effected by treating the colourant with traces of bases taken in an amount of 0.1%.
68. A process as claimed in claims 49 and 53 wherein, the bases are selected from organic bases such as sodium acetate, potassium acetate and diethyl amine and inorganic bases such as NaOH, KOH, Na₂CO₃ and NaCl.
69. A process as claimed in claims 49 and 53 wherein, the concentration of the base is in the range of 0.1% to 20%.
70. A process as claimed in claims 49 and 53 wherein, the herbal colourant is antimicrobial, anti-inflammatory and is used in leucoderma more particularly of lips.